

## Electronic Acknowledgement Receipt

<b>EFS ID:</b>	4679602
<b>Application Number:</b>	10632431
<b>International Application Number:</b>	
<b>Confirmation Number:</b>	2852
<b>Title of Invention:</b>	Method and apparatus for affinity-guided speculative helper threads in chip multiprocessors
<b>First Named Inventor/Applicant Name:</b>	Hong Wang
<b>Customer Number:</b>	59796
<b>Filer:</b>	David P. McAbee/Derek S. Watson
<b>Filer Authorized By:</b>	David P. McAbee
<b>Attorney Docket Number:</b>	42P15449
<b>Receipt Date:</b>	26-JAN-2009
<b>Filing Date:</b>	31-JUL-2003
<b>Time Stamp:</b>	20:57:49
<b>Application Type:</b>	Utility under 35 USC 111(a)

### Payment information:

Submitted with Payment	yes
Payment Type	Deposit Account
Payment was successfully received in RAM	\$ 1110
RAM confirmation Number	4994
Deposit Account	500221
Authorized User	

The Director of the USPTO is hereby authorized to charge indicated fees and credit any overpayment as follows:

Charge any Additional Fees required under 37 C.F.R. Section 1.16 (National application filing, search, and examination fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.17 (Patent application and reexamination processing fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.19 (Document supply fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.20 (Post Issuance fees)

Charge any Additional Fees required under 37 C.F.R. Section 1.21 (Miscellaneous fees and charges)

## File Listing:

Document Number	Document Description	File Name	File Size(Bytes)/ Message Digest	Multi Part /.zip	Pages (if appl.)
1		P15449_Resp_to_OA_01262009.pdf	546671 75eca62717b68af39a7d58bb0892fac2d47744ea	yes	22

### Multipart Description/PDF files in .zip description

Document Description	Start	End
Amendment/Req. Reconsideration-After Non-Final Reject	1	1
Claims	2	17
Applicant Arguments/Remarks Made in an Amendment	18	22

### Warnings:

### Information:

2	Fee Worksheet (PTO-06)	fee-info.pdf	30138 d5c558b68b76f3834569df104be03869e6b5ceab	no	2
---	------------------------	--------------	---	----	---

### Warnings:

### Information:

**Total Files Size (in bytes):** 576809

**This Acknowledgement Receipt evidences receipt on the noted date by the USPTO of the indicated documents, characterized by the applicant, and including page counts, where applicable. It serves as evidence of receipt similar to a Post Card, as described in MPEP 503.**

#### New Applications Under 35 U.S.C. 111

If a new application is being filed and the application includes the necessary components for a filing date (see 37 CFR 1.53(b)-(d) and MPEP 506), a Filing Receipt (37 CFR 1.54) will be issued in due course and the date shown on this Acknowledgement Receipt will establish the filing date of the application.

#### National Stage of an International Application under 35 U.S.C. 371

If a timely submission to enter the national stage of an international application is compliant with the conditions of 35 U.S.C. 371 and other applicable requirements a Form PCT/DO/EO/903 indicating acceptance of the application as a national stage submission under 35 U.S.C. 371 will be issued in addition to the Filing Receipt, in due course.

#### New International Application Filed with the USPTO as a Receiving Office

If a new international application is being filed and the international application includes the necessary components for an international filing date (see PCT Article 11 and MPEP 1810), a Notification of the International Application Number and of the International Filing Date (Form PCT/RO/105) will be issued in due course, subject to prescriptions concerning national security, and the date shown on this Acknowledgement Receipt will establish the international filing date of the application.